

Application No. 10/765,252

Paper Dated March 19, 2008

In Reply to USPTO Correspondence of September 20, 2007

PPG Docket No. 1908A1

Our File No. 3948-035031

### **AMENDMENTS TO THE CLAIMS**

The listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A trimeric unsymmetrical polyurethane polyol comprising the reaction product of:
  - a) a diisocyanate;
  - b) an a linear aliphatic diol having 1-6 carbon atoms; and
  - c) a linear polymeric diol having at least one oxycarbonyl linkage and having from 5-20 carbon atoms,

wherein the trimeric polyurethane polyol has ~~an average molar distribution of three monomeric units is represented by the formula:~~

x moles aliphatic diol: 1 mole diisocyanate: y moles polymeric diol, where  $x+y=2$ , and

wherein the polyurethane polyol has includes hydroxyl termination.

2. (Previously Presented) A polyurethane polyol as in claim 1, wherein the diisocyanate is selected from the group consisting of 2,2,4-trimethylhexamethylene diisocyanate, 1,6-hexamethylene diisocyanate, 1,1'-methylene-bis-(4-isocyanatocyclohexane), 4,4'-methylene-bis-(cyclohexyl diisocyanate), hydrogenated toluene diisocyanate, 4,4'-isopropylidene-bis-(cyclohexyl isocyanate), 1,4-cyclohexyl diisocyanate, 4,4'-dicyclohexyldiisocyanate, and 3-isocyanato methyl-3,5,5-trimethylcyclohexyl diisocyanate, and mixtures and combinations thereof.

3. (Previously Presented) A polyurethane polyol as in claim 1, wherein the diisocyanate is aliphatic.

4. (Previously Presented) A polyurethane polyol as in claim 1, wherein the aliphatic diol is selected from the group consisting of 1,2-propanediol, ethyl-

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1,3-hexanediol, 1,6-hexanediol, 2-methyl propanediol, and 1,5-pentanediol, and mixtures and combinations thereof.

5. (Previously Presented) A polyurethane polyol as in claim 1, wherein the aliphatic diol includes an odd number of carbon atoms.

6. (Previously Presented) A polyurethane polyol as in claim 1, wherein the polymeric diol is selected from the group consisting of polycarbonate diols and polycaprolactone diols, and mixtures thereof.

7. (Previously Presented) A polyurethane polyol as in claim 1, wherein the diisocyanate is 2,2,4-trimethylhexamethylene diisocyanate, wherein the aliphatic diol is 1,5-pentanediol, and wherein the polymeric diol is polyoxohexylene carbonate diol.

8. (Previously Presented) A polyurethane polyol as in claim 1, wherein the ratio of the diisocyanate:aliphatic diol:polymeric diol is from about 1: 1.9:0.1 to about 1:1.1:0.9

9. (Previously Presented) A polyurethane polyol as in claim 1, wherein the reaction product comprises a low viscosity, non-crystalline substantially 100 percent solids material.

10-23. (Cancelled)